Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/29/2020 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124725	-1	2.68	124858	2.75
Blue	F	SSC	125000	123045	-2	1.82	123790	1.84
Blue	E	FITC	15892	15574	-3	2.80	339	20.27
Blue	D	PE	29999	29524	-2	2.01	642	14.73
Blue	B	PerCP-Cy5-5	43732	43724	-1	3.72	1174	20.68
Blue	A	PE-Cy7	30845	31108	0	6.08	593	40.96
Red	C	APC	46112	45389	-2	2.49	1599	12.07
Red	A	APC-Cy7	30458	29662	-3	2.46	787	12.04
Violet	B	V450	7918	7579	-5	4.56	428	13.23
Violet	A	V500	32171	31380	-3	4.36	733	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17304	14.97	625	4	N/A	N/A	Pass
Blue	F	SSC	56243	1.25	564	5	N/A	N/A	Pass
Blue	E	FITC	62	62.06	544	1	0.0188	72	Pass
Blue	D	PE	134	49.42	550	2	0.1627	264	Pass
Blue	B	PerCP-Cy5-5	214	50.09	657	1	0.0087	33	Pass
Blue	A	PE-Cy7	111	103.97	700	2	0.0110	27	Pass
Red	C	APC	383	25.63	588	4	0.0253	213	Pass
Red	A	APC-Cy7	172	29.45	559	3	0.0056	1188	Pass
Violet	B	V450	66	55.35	467	9	0.0440	1418	Pass
Violet	A	V500	109	32.54	483	9	0.0237	651	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.06	-32.26	0.89
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.62	13.60 - 20.40	N/A	N/A	29.51	30.09	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9667

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments